

Customer No. 28880

Confirmation No. 9823

PTO/SB/08A (08-03)

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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet

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**Complete if Known**

Application Number	10/075,954
Filing Date	February 13, 2002
First Named Inventor	Charles Andrianjara
Art Unit	1624
Examiner Name	Truong, Tamthom Ngo

Attorney Docket Number A0000476-01-CFP

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
TNT	✓	US- 3,655,679	04-11-1972	Shen, et al.	260/295
	✓	US- 5,521,181	05-28-1996	Meyer, et al.	514/249
	✓	US- 2003/0004172 A1	01-02-2003	Harter, et al.	514/260.1
	✓	US- 2003/0078276 A1	04-24-2003	Andrianjara, et al.	514/266.1
	✓	US- 2002/0151558 A1	10-17-2002	Andrianjara, et al.	514/267
	✓	US- 6,656,932 B2	12-02-2003	Picard, et al.	514/223.2
	✓	US- 2002/0156069 A1	10-24-2002	Picard, et al.	514/223.2
	✓	US- 2003/0144274 A1	07-31-2003	Bunker, et al.	514/223.2
	✓	US- 2003/0130278 A1	07-10-2003	Gaudilliere, et al.	514/228.5
	✓	US- 2003/0216402 A1	11-20-2003	Gaudilliere, et al.	514/251
	✓	US- 2003/0220355 A1	11-27-2003	Gaudilliere, et al.	514/266.2
	✓	US- 2004/0006077 A1	01-08-2004	Gaudilliere, et al.	514/227.8
	✓	US- 2004/0063673 A1	04-01-2004	Johnson	514/114
	✓	US- 2004/0044000 A1	03-04-2004	Bunker, et al.	514/248
	✓	US- 2004/0038961 A1	02-26-2004	Bunker, et al.	514/210.21
	✓	US- 2004/0038959 A1	02-26-2004	Bunker, et al.	514/210.21
	✓	US- 2004/0043985 A1	03-04-2004	Hicks, et al.	514/210.21
	✓	US- 2004/0034009 A1	02-19-2004	Roark	514/210.21
TNT	✓	US- 2004/0043986 A1	03-04-2004	Nahra, et al.	514/210.21

## FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
TNT	✓	JP1996143568A	06-04-1996	Hiroko, et al.		
	✓	WO 02/064,599 A1	08-22-2002	Dyer, et al.		
	✓	WO 02/064,598 A1	08-22-2002	Harter, et al.		
	✓	WO 02/064,080 A2-A3	08-22-2002	Andrianjara, et al.		
	✓	WO 02/064572 A1	08-22-2002	Andrianjara, et al.		
TNT	✓	WO 02/064595 A1	08-22-2002	Andrianjara, et al.		

Examiner Signature

*Truong*

Date Considered

11/23/04

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Examiner Name	Truong, Tamithom Ngo
Attorney Docket Number	A0000476-01-CEP

class / subclass

## U. S. PATENT DOCUMENTS

## FOREIGN PATENT DOCUMENTS

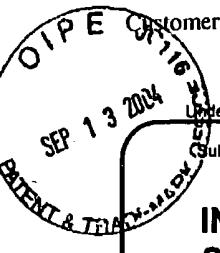
FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear
		Country Code <sup>3</sup> -Number <sup>4</sup> Kind Code <sup>5</sup> (if known)	MM-DD-YYYY		T <sup>6</sup>
i	WO 02/064578 A1		08-22-2002	Picard, et al.	
	WO 03/032999 A1		04-24-2003	Bunker, et al.	
	WO 03/033478 A1		04-24-2003	Gaudilliere, et al.	
	WO 03/076417 A2-A3		09-18-2003	Gaudilliere, et al.	
	WO 04/000322 A1		12-31-2004	Gaudilliere, et al.	
	WO 04/014384 A2		02-19-2004	Johnson	

Examiner Signature		Date Considered	11/23/04
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Translation is attached.  
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## **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

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First Named Inventor	Charles Andrianjara
Art Unit	1624
Examiner Name	Truong, Tamthom Ngo
Attorney Docket Number	10000476.01.CEP

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**U. S. PATENT DOCUMENTS**

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Examiner Initials*	Cite No.*	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T*
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
		WO 04/014379 A1	02-19-2004	Bunker, et al.		
		WO 04/014378 A1	02-19-2004	Bunker, et al.		
		WO 04/014388 A1	02-19-2004	Hicks, et al.		
		WO 04/014921 A1	02-19-2004	Roark		
		WO 04/014354 A1	02-19-2004	Roark		
		WO 04/014869 A2	02-19-2004	Nahra, et al.		

**Examiner**



Date  
Considered

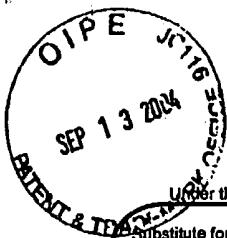
11/23/04

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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet

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## Complete If Known

Application Number	10/075,954
Filing Date	February 13, 2002
First Named Inventor	Charles Andrianjara
Art Unit	1624
Examiner Name	Truong, Tamthom Ngo
Attorney Docket Number	A0000476-01-CFP

## NON PATENT LITERATURE DOCUMENTS

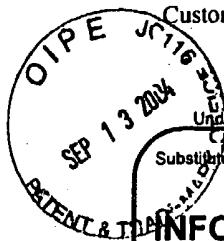
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
TNT	✓	NEJELIJKO KUJUNDZIC AND BERISLAV GLUNCIC, "Synthesis of 8-Methyl-1,2,3,4-tetrahydropyrido-[3,4-d]pyrimidine-2,4-diones", Croatica Chemica Acta, 1991, 64 (4) 599-606.	✓
	✓	HIROTA, et al., "Novel Synthesis of Pyrido[3,4-d]pyrimidines, Pyrido[2,3-d]-pyrimidines, and Quinazolines via Palladium-Catalyzed Oxidative coupling", Heterocycles, 1994; 37(1):563-570	
	✓	LOVEJOY, et al., "Crystal structures of MMP-1 and -13 reveal the structural basis for selectivity of collagenase inhibitors", Nature Structural Biol., 1999; 6:217-221	
	✓	MOY, et al., High-resolution solution structure of the catalytic fragment of human collagenase-3 (MMP-13) complexed with a hydroxamic acid inhibitor", J. Mol. Biol., 2000; 302, 671-689	
	✓	MITCHELL, et al., "Cloning, Expression, and Type II Collagenolytic Activity of Matrix Metalloproteinase-13 from Human Osteoarthritic Cartilage", J. Clin. Invest., 1996; 97(3):761-768	
	✓	NEUHOLD, et al., "Postnatal expression in hyaline cartilage of constitutively active human collagenase-3 (MMP-13) induces osteoarthritis in mice", J. Clin. Invest., 2001; 107: 35-44	
	✓	DAHLBERG, et al., "Selective Enhancement of Collagenase-Mediated Cleavage of Resident Type II Collagen in Cultured Osteoarthritic Cartilage and Arrest with a Synthetic Inhibitor that Spares Collagenase I (Matrix Metalloproteinase 1)", Arthritis & Rheum., 2000; 43(2): 673-682	
	✓	BILLINGHURST, et al., "Comparison of the Degradation of Type II Collagen and Proteoglycan in Nasal and Articular Cartilages Induced by Interleukin-1 and the Selective Inhibition of Type II Collagen Cleavage by Collagenase", Arthritis & Rheum., 2000; 43(3): 664-672	
	✓	BILLINGHURST, et al., "Enhanced Cleavage of Type II Collagen by Collagenases in Osteoarthritic Articular Cartilage", J. Clin. Invest., 1997; 99:1534-1545	
TNT	✓	Office Action from 10/264,764 (PC20536) mailed 6/16/2003.	

Examiner Signature		Date Considered	11/23/04
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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(Use as many sheets as necessary)</i>				Application Number	10/075,954
Sheet	6	of	6	Filing Date	February 13, 2002
				First Named Inventor	Charles Andrianjara
				Art Unit	1624
				Examiner Name	Truong, Tamthom Ngo
				Attorney Docket Number	A0000476-01-CFP

NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			
TM	✓	WERNICKE, et al., "Cloning of Collagenase 3 from the Synovial Membrane and Its Expression in Rheumatoid Arthritis and Osteoarthritis", J. Rheum., 1996, 23(4) 590-595			
	✓	REBOUL, et al., The New Collagenase, Collagenase-3, Is Expressed and Synthesized by Human Chondrocytes but not Synoviocytes", J. Clin. Invest. 1996, 97(9), 2011-2019			
	✓	FREEMONT, et al., "In Situ Zymographic Localisation of Type II Collagen Degrading Activity in Osteoarthritic Human Articular Cartilage", Ann. Rheum. Dis., 1999, 58, 357-365			
TM	✓	SPINALE, et al., "A Matrix Metalloproteinase Induction/Activation System Exists in the Human Left Ventricular Myocardium and is Upregulated in Heart Failure", Circulation, 2000, 102(16) 1944-1949			

Examiner Signature	<i>McSom</i>	Date Considered	11/23/04
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## SUPPLEMENTAL

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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**Complete if Known**

Application Number	10/075,954
Filing Date	February 13, 2002
First Named Inventor	Charles Andrianjara
Group Art Unit	1614
Examiner Name	Unknown
Attorney Docket Number	A0000476-01-CFP

## U.S. PATENT DOCUMENTS

Passages or Relevant  
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